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(FILE 'HOME' ENTERED AT 08:50:24 ON 11 MAR 1999)

FILE 'BIOSIS, MEDLINE, WPIDS, EMBASE, CAPLUS' ENTERED AT 08:50:41 ON 11 MAR 1999

L1 795815 S METHOD(P) (PROTECT? OR TREAT?)
L2 358238 S (FREE(W)RADICAL) OR (SUPEROXIDE) OR (HEAVY(W)METAL OR
METAL(W)
L3 95205 S (CDNA OR DNA OR POLYNUCLEOTIDE) (5A) (EXPRESSION) OR
(PHARMACEU
L4 59 S L1 AND L2 AND L3
L5 58 DUP REM L4 (1 DUPLICATE REMOVED)

=> d au ti so pd pi 1-58 15

L5 ANSWER 1 OF 58 CAPLUS COPYRIGHT 1999 ACS
IN Baker, Keith; Kieras, Mark; Redmon, Martin; Pratt, Daniel
TI Methods for universally distributing therapeutic agents to the brain
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----		-----	-----	-----
PI WO 9902139	A1	19990121	WO 98-US14143	19980709
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE				

L5 ANSWER 2 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
DUPLICATE

1
IN ALBERSHEIM, P; DARVILL, A G; ONEILL, M A; PELLERIN, P J M; VIDAL, S;
WARRENFELTZ, D
TI Dimerisation of rhamnogalacturonan-II - useful for forming complexes with
multivalent **heavy metal cations**.
PI WO 9822511 A1 980528 (9828)* EN 64 pp C08B037-00
RW: AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT
SD SE SZ UG ZW
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE
GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZW
AU 9873010 A 980610 (9843) C08B037-00

L5 ANSWER 17 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
IN HUANG, L; YOA, T; ZERN, M
TI Protection of livers and other organs from **free radical**
-mediated cell damage - comprises intravenous administration of
free radical scavenger or antioxidant and liposome
carrier.

PI US 5637315 A 970610 (9730)* 10 pp A61K009-127

L5 ANSWER 18 OF 58 CAPLUS COPYRIGHT 1999 ACS
IN Endou, Hitoshi; Ienaga, Kazuharu
TI **Pharmaceutical composition** containing a hydantoin
derivative for eliminating active oxygen and **free**
radicals

SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 780125	A2	19970625	EP 96-120597	19961220
EP 780125	A3	19971105		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				
JP 09227377	A2	19970902	JP 96-354350	19961219
CN 1159324	A	19970917	CN 96-123286	19961219
CA 2193551	AA	19970621	CA 96-2193551	19961220
AU 9676414	A1	19970626	AU 96-76414	19961220

L5 ANSWER 19 OF 58 MEDLINE

AI Hart F W; Turturro A

TI Dietary restrictions and cancer.

SO ENVIRONMENTAL HEALTH PERSPECTIVES, (1997 Jun) 105 Suppl 4 989-92. Ref:

54

Journal code: EI0. ISSN: 0091-6765.

L5 ANSWER 20 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
IN BAYER, R J; DEFREES, S; RATCLIFFE, M
TI Enzymatic prepn. of oligo saccharide, esp. sialyl lactose cpd. - using
sialyl transferase cycle supplemented with divalent metal ion co-factor

to

increase yield, used, e.g. as drug.

PI WO 9632492 A1 961017 (9647)* EN 32 pp C12P019-26
RW: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD
SE SZ UG
W: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS
JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN
AU 9654453 A 961030 (9708) C12P019-26
EP 820520 A1 980128 (9809) EN C12P019-26
R: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

L5 ANSWER 21 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD

IN GAN, O; JANI, R; LORENZETTI, O J

TI Intraocular irrigating soln. with intraocular pressure- controlling agent
- comprises drug, antioxidant or **free radical**
scavenger, electrolytes, cellular energy source, bi carbonate and buffer.

PI WO 9600055 A1 960104 (9607)* EN 37 pp A61K009-00

RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: AU CA JP

AU 9528643 A 960119 (9616)

A61K009-00

US 5523316 A 960604 (9628)

8 pp

A61K031-415

L5 ANSWER 27 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 IN HANSSON, L
 TI Prodn. of recombinant human extracellular **superoxide** dismutase
 - using transgenic mammals to express the polypeptide and useful variants
 combined as hybrids with a milk protein in the mammary gland.
 PI WO 9500637 A1 950105 (9507)* EN 103 pp C12N015-00
 RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE
 W: AM AU BB BG BR BY CA CN CZ DE DK FI GE HU JP KE KG KP KR KZ LK LV
 MD MG MN MW NO NZ PL RO RU SD SI SK TJ TT UA US UZ VN
 AU 9469356 A 950117 (9522) C12N015-00
 EP 705333 A1 960410 (9619) EN C12N015-00
 R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
 JP 08511688 W 961210 (9710) 103 pp A01K067-027
 AU 687068 B 980219 (9824) C12N015-00

L5 ANSWER 28 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 IN BERENSSTEIN, E; CHEVION, M
 TI **Pharmaceutical compsn.** contg. gallium complexes of
 desferrioxamine or penicillamine - for treatment of **free-**
radical induced conditions e.g. ischaemic injury, thalassemia,
 hemochromatosis and paraquat toxicity.
 PI WO 9500140 A1 950105 (9507)* EN 16 pp A61K031-28
 RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE
 W: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR
 KZ LK LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA
 US UZ VN
 AU 9472093 A 950117 (9522) A61K031-28
 EP 706391 A1 960417 (9620) EN A61K031-28
 R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
 US 5613838 A 970408 (9720) 5 pp A61K031-28
 IL 106064 A 971120 (9809) C07C323-58

L5 ANSWER 29 OF 58 CAPLUS COPYRIGHT 1999 ACS
 IN Lee, Virginia
 TI Compositions and methods for producing and using homogeneus neuronal
 cell

transplants
 SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9512982	A1	19950518	WO 94-US17899	19941109
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5175103	A	19921229	US 91-780715	19911021
WO 9308266	A1	19930429	WO 92-US6540	19920805
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
EP 620847	A1	19941026	EP 92-917219	19920805
EP 620847	B1	19980429		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
JP 07502645	T2	19950323	JP 92-507658	19920805
AT 165617	E	19980515	AT 92-917219	19920805
ES 2117672	T3	19980816	ES 92-917219	19920805
JP 09505054	T2	19970520	JP 94-513971	19941109
US 5792900	A	19980811	US 96-640894	19960607
US 5654189	A	19970805	US 96-660723	19960610

L5 ANSWER 30 OF 58 CAPLUS COPYRIGHT 1999 ACS
 IN Partis, Richard; Mueller, Richard A.; Koszyk, Francis J.; Weier, Richard M.
 TI Derivatives of cyclic phenolic thioethers as inhibitors or stimulators of **superoxide** generation, and as inhibitors of cyclooxygenase and/or 5-lipoxygenase
 SO U.S., 58 pp. Cont.-in-part of U.S. Ser. No. 211, 074, abandoned.
 CODEN: USXXAM
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI US 5476944 A 19951219 US 94-245780 19940519

L5 ANSWER 31 OF 58 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
 AU Park K.Y.; Yoo C.-G.; Kim Y.W.; Han S.K.; Shim Y.-S.; Hyun I.-G.
 TI **Superoxide** dismutase gene expression induced by lipopolysaccharide in alveolar macrophage of rat.
 SO Tuberculosis and Respiratory Diseases, (1995) 42/4 (522-534).
 ISSN: 0378-0066 CODEN: KHCHAM
 PD 1995

L5 ANSWER 32 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 IN LEVANON, A; WERBER, M M; ZEELON, E P
 TI Polypeptide from Hirudo medicinalis - has factor Xa inhibitory activity, useful for treating blood coagulation disorders.
 PI WO 9423735 A1 941027 (9442)* EN 135 pp A61K037-02
 RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
 W: AU BR CA CN FI HU JP KR NO NZ PL RU
 AU 9466291 A 941108 (9507)
 ZA 9402451 A 950125 (9511) 129 pp C07K000-00
 EP 696198 A1 960214 (9611) EN
 R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
 JP 08511157 W 961126 (9708) 109 pp C12N015-09
 AU 682361 B 971002 (9747) C07K013-00
 NZ 265507 A 980924 (9845) C07K014-815

L5 ANSWER 33 OF 58 CAPLUS COPYRIGHT 1999 ACS
 IN Wegner, Craig; Wolyneic, Walter W., Jr.
 TI Inhibition of pulmonary oxygen toxicity using manganese **superoxide** dismutase
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9421283 A1 19940929 WO 94-US3185 19940324
 W: AU, BY, CA, CN, HU, JP, KR, NO, NZ, RU, UA
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 AU 9464913 A1 19941011 AU 94-64913 19940324
 ZA 9402073 A 19941027 ZA 94-2073 19940324

L5 ANSWER 34 OF 58 CAPLUS COPYRIGHT 1999 ACS
 IN Dininno, Frank P.
 TI Bactericidal bridged carbapenem compounds, compositions containing such compounds and methods of use
 SO U.S., 30 pp.
 CODEN: USXXAM
 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI US 5372993 A 19941213 US 93-74905 19930610
 WO 9428718 A1 19941222 WO 94-US6565 19940608
 W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
 AU 9471047 A1 19950103 AU 94-71047 19940608

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L5 ANSWER 35 OF 58 CAPLUS COPYRIGHT 1999 ACS
AU Toliver, Tracy E.; Sneed, Shawn M.; Koke, Joseph R.
TI Intrapericardial injection of **superoxide** dismutase cDNA and
myocardial stunning
SO Biomed. Lett. (1994), 49(195), 169-77
CODEN: BILEE4; ISSN: 0961-088X

L5 ANSWER 36 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
IN ALTHAUS, H
TI Use of nerve growth factor, opt. with protease inhibitor - for promoting
oligodendrocyte growth in treatment of multiple sclerosis, slow virus
encephalopathy, myelitis or **heavy metal** poisoning.
PI DE 4125933 A1 930211 (9307)* 7 pp C12N001-00
WO 9303140 A1 930218 (9309) DE 21 pp C12N005-08
RW: AT BE CH DE DK ES FR GB GR IT LU MC NL SE
W: JP US

L5 ANSWER 37 OF 58 CAPLUS COPYRIGHT 1999 ACS
IN Fridovich, Irwin; Darr, Douglas J.; Beyer, Wayne F.
TI **Superoxide** dismutase mimic
SO U.S., 17 pp. Cont.-in-part of U.S. Ser. No. 32,475.
CODEN: USXXAM

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 5227405	A	19930713	US 88-250367	19880928
	US 5223538	A	19930629	US 87-32475	19870331
	JP 63250392	A2	19881018	JP 87-120335	19870519

L5 ANSWER 38 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
IN BONTE, F; DUMAS, M; MEYBECK, A
TI Cosmetic and **pharmaceutical compsn.** contg. Prunella
extract or saponin - esp. for topical use, with e.g. antiinflammatory,
anti-ageing and anti-radical activities also stimulating keratinocytes.
PI WO 9211322 A1 921210 (9252)* FR 37 pp A61K007-48
RW: AT BE CH DE DK ES FR GB GR IT LU MC NL SE
W: JP US
FR 2677248 A1 921211 (9306) 27 pp A61K007-06
EP 589934 A1 940406 (9414) FR A61K007-48
R: BE CH DE ES FR GB IT LI
JP 06507892 W 940908 (9440) A61K035-78
US 5624673 A 970429 (9723) 10 pp A61K035-78
EP 589934 B1 971008 (9745) FR 19 pp A61K007-48
R: BE CH DE ES FR GB IT LI
DE 69222640 E 971113 (9751) A61K007-48

L5 ANSWER 51 OF 58 WPIDS COPYRIGHT 1999 DERWENT INFORMATION LTD
 IN MARAFINO, B J; ZIMMERMAN, R; ZIMMERMANN, R
 TI **Free-radical** scavenger or inhibitor and lymphokine or
 cytotoxin - in therapeutic combination for treatment of biological damage
 caused by **free radical** generation.
 PI EP 269017 A 880601 (8822)* EN 24 pp
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE
 JP 63190831 A 880808 (8837)
 US 4985241 A 910115 (9106)
 EP 269017 B1 920729 (9231) EN 24 pp A61K045-06
 R: AT BE CH DE ES FR GB GR IT LI LU NL SE
 DE 3780770 G 920903 (9237) A61K045-06
 CA 1321349 C 930817 (9339) A61K037-66
 ES 2042529 T3 931216 (9403) A61K045-06
 US 5508031 A 960416 (9621) 15 pp A61K038-20
 US 5667776 A 970916 (9743) 16 pp C07K014-525
 US 5702697 A 971230 (9807) 18 pp A61K038-19